PATENT COOPERATION TREATY

	om the FERNATIONAL SE	EARCHING AUTHORITY				
T	0:				PCT	
	see forn	n PCT/ISA/220		INTER	WRITTEN OPINION OF NATIONAL SEARCHING	THE AUTHORITY
					(PCT Rule 43 <i>bis</i> .1)	
				Date of ma	uling <i>∪year)</i> see form PCT/ISA/210 (secon	d sheet)
Ap	plicant's or agent's fi	le reference		FOR FURTHER ACTION See paragraph 2 below		
se	e form PCT/ISA/	220				
	ernational application		tional filing date (d	l ay/month/yea	r) Priority date (day/month/)	rear)
Ĺ	CT/US2009/0369				14.03.2008	,
Inte	ernational Patent Cla V. A61K9/14 A61	ssification (IPC) or both natio	onal classification a	and IPC		
	• . AUTN9/14 AUT	N3 1/305				
	plicant			·		
EL	AN PHARMA IN	TERNATIONAL LTD.				
	The target of the same of the					
1.	i his opinion c	ontains indications relat	ting to the follo	wing items	:	
	Box No. I	Basis of the opinion				
	☐ Box No. II	Priority				
	☑ Box No. III	Non-establishment of op-	oinion with regar	d to novelty	, inventive step and industrial app	licability
	⊠ Box No. IV	Lack of unity of invention	n			• -
	⊠ Box No. V	Reasoned statement un applicability; citations an	der Rule 43 <i>bis.</i> 1	(a)(i) with r	egard to novelty, inventive step or	industrial
	☐ Box No. VI	Certain documents cited		supporting s	uch statement	
	☐ Box No. VII	Certain defects in the int	*	cation	•	
	☐ Box No. VIII	Certain observations on	the international	l application		
2.	FURTHER ACTI					
	the applicant cho	oses an Authority other the	any Examining A	Authority ("II	nion will usually be considered to l PEA") except that this does not ap and the chosen IPEA has notifed t International Searching Authority	ply where
	If this opinion is, a submit to the IPE from the date of a whichever expires	nailing of Form PCT/ISA/2	lered to be a wri where appropri 20 or before the	tten opinion ate, with an expiration o	of the IPEA, the applicant is invite nendments, before the expiration of of 22 months from the priority date	ed to of 3 months .
	For further option	s, see Form PCT/ISA/220.				
3.	For further details	, see notes to Form PCT/	SA/220.	•		
	•				•	
2000	and mailing 11					
- III	and mailing address	or the ISA;	Date of comp this opinion	letion of	Authorized Officer	net fale.
	European Pa	atent Office	see form			Jean N. E.
	D-80298 Mu	nich	PCT/ISA/210		Giménez Miralles, J	(0)))
	Tel. +49 89 2 Fax: +49 89	2399 - 0			Telephone No. +49 89 2399-8655	3
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2009/036965

	В	ОХ	No. I Basis of the opinion
	1. W	/ith	regard to the language, this opinion has been established on the basis of:
	\boxtimes		he international application in the language in which it was filed
•		a	translation of the international application into , which is the language of a translation furnished for the surposes of international search (Rules 12.3(a) and 23.1 (b)).
2	2. 🗆	T b	his opinion has been established taking into account the rectification of an obvious mistake authorized y or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3	. Wi	ith r	egard to any nucleotide and/or amino acid sequence disclosed in the international application and sary to the claimed invention, this opinion has been established on the basis of:
			e of material:
			a sequence listing
			table(s) related to the sequence listing
	b. f	orm	nat of material:
	i	□.	on paper
	ł		in electronic form
	c. ti	me	of filing/furnishing:
	[contained in the international application as filed.
	Ε		filed together with the international application in electronic form.
	Ε		furnished subsequently to this Authority for the purposes of search.
4.		cop	iddition, in the case that more than one version or copy of a sequence listing and/or table relating thereto been filed or furnished, the required statements that the information in the subsequent or additional ropriate, were furnished.
5.	Addi	tion	al comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2009/036965

8	ox No. III Non-establishment of opinion with regard to novelty, inventive step and industrial
O O	he questions whether the claimed invention appears to be novel, to involve an inventive step (to be non bylious), or to be industrially applicable have not been examined in respect of
. 🗆	
Ø	claims Nos. 1-86 in part
be	ecause:
; · 🗀	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international search (specify):
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):
⊠	the claims, or said claims Nos. 1-86 in part are so inadequately supported by the description that no meaningful opinion could be formed (specify):
	see separate sheet
⊠	no international search report has been established for the whole application or for said claims Nos. 1-86 in
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:
	☐ furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	☐ furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13 ter. 1(a) or (b).
•	a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C- <i>bis</i> of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.
_ □ _ t	the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
	See Supplemental Box for further details

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2009/036965

response to the invitation (Form PCT/ISA/206) to pay additional fees, the applicant has, within the
paid additional fees
paid additional fees under protest and, where applicable, the protest fee
paid additional fees under protest but the applicable protest fee was not paid
□ not paid additional fees
s Authority found that the requirement of unity of invention is not complied with and chose not to invite applicant to pay additional fees.
hority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
lied with
emplied with for the following reasons:
separate sheet
ently, this report has been established in respect of the following parts of the international application:
rts relating to claims Nos.
/ Reasoned statement under Rule 43 <i>bis</i> .1(a)(i) with regard to novelty, inventive step or
applicability; citations and explanations supporting such statement
applicability; citations and explanations supporting such statement
applicability; citations and explanations supporting such statement
applicability; citations and explanations supporting such statement
applicability; citations and explanations supporting such statement Yes: Claims
applicability; citations and explanations supporting such statement Yes: Claims No: Claims 1-86
applicability; citations and explanations supporting such statement Yes: Claims No: Claims 1-86 tep (IS) Yes: Claims

see separate sheet

Re Item III

See International search report (ISR), Box II.2 and Further Information sheet PCT/ISA/210.

Re Item IV

The ISA considers that the international application does not comply with the requirement of unity of the invention as set forth in Rules 13.1, 13.2 and 13.3 PCT for the following reasons:

The inventive concept of formulating an antiangiogenic agent in stabilized nanoparticulate (nanocrystalline) dispersion wherein the nanoparticles have effective average particle size of less than 2000 nm and comprise a surface stabilizer associated therewith is not novel (see documents D1 to D5 cited in the ISR). Therefore, lack of unity arises as each single angiogenesis inhibitor as defined in claim 2 represents a separate invention, the multiple inventions covered by claim 2 not sharing any special technical feature(s) making a novel and inventive contribution over the prior art within the meaning of Rule 13.2 PCT.

Re Item V

- The relevant prior art documents are referred to as D1 to D9 as in the order of appearance in the International Search Report (ISR). Unless otherwise indicated, reference is made to the passages of said documents cited in the ISR.
- Citations and explanations supporting the statement with regard to novelty (N), inventive step (IS) and industrial applicability (IA) (Rule 43bis.1(a)(i) and (b) PCT):
- (N) The subject-matter of claims 1, 34 and 54 is not novel because it is anticipated by the prior art (Article 33(2) PCT). D1-D5 anticipate solid nanoparticulate dispersions of angiogenesis inhibitors (2methoxyestradiol, tamoxifen, medroxyprogesterone, paclitaxel, thalidomide, etc.) having effective average particle size of less than 2000 nm, and a non-crosslinked polymeric surface stabilizer adsorbed onto / associated with the surface of the

nanoparticles, in particular polymers such as HPC, HPMC, copovidonum, etc. In particular, D1 and D2 anticipate exactly same subject-matter as claimed in present claims. Accordingly, nothing new can be seen in the subject-matter of present application.

- (IS) The subject-matter of claims 1, 34 and 54 is not considered to involve an inventive step (Article 33(3) PCT) for the reasons mentioned above.
- (IA) The subject-matter of claims 1-53 is considered to be industrially applicable (Article 33(4) PCT). The possibility of industrial application is beyond any doubt. The subject-matter of claims 54-86 is not considered to be industrially applicable as it cannot be used in "industry" as defined in the Paris Convention for the Protection of Industrial Property (Article 33(4) PCT).
- Reservation statement regarding patentability:

The patentability of claims to methods of medical treatment (present claims 54-86) can be dependent upon the formulation of the claims. The EPO, for example, does not recognise as patentable claims to the use of a compound in medical treatment, but may allow claims to a product, in particular substances or compositions for use in a first or further medical treatment.

Possible steps after receipt of the international search report (ISR) and written opinion of the International Searching Authority (WO-ISA)

General information

For all international applications filed on or after 01/01/2004 the competent ISA will establish an ISR It is accompanied by the WO-ISA. Unlike the former written opinion of the IPEA (Rule 66.2 PCT), the WO-ISA is not meant to be responded to, but to be taken into consideration for further procedural steps. This document explains about the possibilities.

Art. 19 PCT

Amending claims Within 2 months after the date of mailing of the ISR and the WO-ISA the applicant may file amended claims under Art. 19 PCT directly with the International Bureau of WIPO. The PCT reform of 2004 did not change this procedure. For further information please see Rule 46 PCT as well as form PCT/ISA/220 and the corresponding Notes to form PCT/ISA/220.

Filing a demand for international preliminary examination

In principle, the WO-ISA will be considered as the written opinion of the IPEA. This should, in many cases, make it unnecessary to file a demand for international preliminary examination: If the applicant nevertheless wishes to file a demand this must be done before expiry of 3 months after the date of mailing of the ISR/WO-ISA or 22 months after priority date, whichever expires later (Rule 54bis PCT). Amendments under Art. 34 PCT can be filed with the IPEA as before, normally at the same time as filing the demand (Rule 66.1 (b) PCT).

If a demand for international preliminary examination is filed and no comments/amendments have been received the WO-ISA will be transformed by the IPEA into an IPRP (International Preliminary Report on Patentability) which would merely reflect the content of the WO-ISA. The demand can still be withdrawn (Art. 37 PCT).

Filing informal comments

After receipt of the ISR/WO-ISA the applicant may file informal comments on the WO-ISA directly with the International Bureau of WIPO. These will be communicated to the designated Offices together with the IPRP (International Preliminary Report on Patentability) at 30 months from the priority date. Please also refer to the next box.

End of the international phase

At the end of the international phase the International Bureau of WIPO will transform the WO-ISA or, if a demand was filed, the written opinion of the IPEA into the IPRP, which will then be transmitted together with possible informal comments to the designated Offices. The IPRP replaces the former IPER (international preliminary examination report).

Relevant PCT Rules and more inform ation

Rule 43 PCT, Rule 43bis PCT, Rule 44 PCT, Rule 44bis PCT, PCT Newsletter 12/2003, QJ 11/2003, QJ 12/2003